

In the Claims

1-15. (Cancelled)

16. (Currently Amended) An injectable naturally secreted extracellular matrix composition for the treatment of skin or tissue defects comprising a injectable human naturally secreted collagen ~~extracellular matrix~~ and a pharmaceutically acceptable carrier.

17. (Currently Amended) The composition according to claim 16 wherein the injectable human naturally secreted collagen ~~extracellular matrix~~ is produced by a method comprising: (a) culturing cells on a three-dimensional framework under conditions favorable for cellular growth for a pre-determined time period such that an extracellular matrix containing human collagen is secreted onto the inoculated framework creating a coated framework; (b) ~~killing the cells~~; (c) ~~(d)~~ removing the cells and cellular debris; (c) (d) collecting the naturally secreted collagen ~~extracellular matrix~~ deposited on the coated framework and (d) (e) processing the collected collagen ~~extracellular matrix~~ with a pharmaceutically acceptable carrier.

18. (Currently Amended) The composition according to claim 17 wherein naturally secreted collagens ~~extracellular matrices~~ secreted by different tissue or cell types are mixed between steps (c) (d) and (d) (e), such that ratios of collagen types I-V, respective to each other, are adjusted.

19. (Currently Amended) The composition according to claim 17 ~~16~~ wherein the framework is made from a material, said material being selected from the group consisting of polyamide, polyester, polystyrene, polypropylene, polyacrylates, polyvinyl compounds, polycarbonate, polytetrafluorethylene, thermanox, nitrocellulose, cotton, polyglycolic acid, catgut sutures, cellulose, gelatin, chitosan, hyaluronic acid and dextran.

20. (Currently Amended) The composition according to claim 17 ~~16~~ wherein the three-dimensional framework has pore spaces of about 150 μm to about 220 μm .

21. (Currently Amended) The composition according to claim 16 wherein the naturally secreted collagen ~~extracellular matrix~~ is secreted by tissue specific cells.

22. (Currently Amended) The composition according to claim 16 wherein the naturally secreted collagen ~~extracellular matrix~~ is secreted by cells, said cells being selected from the group consisting of fibroblasts, osteoblasts, odontoblasts, chondrocytes, epithelial cells, smooth muscle cells, retinal cells, endothelial cells, stromal cells or combinations thereof.

23-29. (Cancelled)

30. (New) The injectable naturally secreted collagen composition according to claim 16, wherein collagen is collagen type I, collagen type II, collagen type III, collagen type IV, or collagen type V.

31. (New) The injectable naturally secreted collagen composition according to claim 17, wherein the cells are killed in the coated framework before removing them.

32. (New) The injectable naturally secreted collagen composition according to claim 31, wherein the steps of killing and removing the cells are carried out concurrently.

33. (New) An injectable composition for the treatment of a skin or tissue defect, comprising a cell-free, injectable formulation of naturally secreted human collagen synthesized by cells in vitro and a pharmaceutically acceptable carrier formulated for in vivo administration by injection via a syringe.

34. (New) The injectable composition of claim 33, wherein the human collagen is crosslinked.

35. (New) The injectable composition of claim 33, wherein the formulation includes a local anesthetic.

36. (New) The injectable composition of claim 34, wherein the local anesthetic is lidocaine.
37. (New) The injectable composition of claim 36, wherein the lidocaine is at a concentration of about 0.3%.
38. (New) The injectable composition of claim 33, wherein the formulation is sterile.
39. (New) The injectable composition of claim 33, wherein the collagen is type I, type III or type IV collagen.
40. (New) The injectable composition of claim 33, wherein the collagen is type I and type III collagen.
41. (New) The injectable composition of claim 33, wherein the collagen is type III, type IV and type I collagen.
42. (New) The injectable formulation of claim 33, wherein the injectable composition is injected intradermally or subcutaneously.
43. (New) The injectable composition of claim 33, wherein the injectable composition is injected intradermally or subcutaneously to augment soft tissue, to repair or correct congenital anomalies, acquired defects or cosmetic defects.
44. (New) The injectable composition of claim 43, wherein the defects are scars, acne, or wrinkles.